

TYPE C PUSH BUTTON STATIONS GENERAL INFORMATION

APPLICATION

Type C Push Button Stations are heavy duty hand operated buttons, designed to withstand the frequent operation and severe usage encountered in industrial service. They are used in the control circuit of alternating or direct-current starters and controllers to govern their operation and to provide an easy and simple means of control. Guard flanges protect against accidental depression of buttons.

The capacity of these stations is limited to a circuit current of 30 amperes on 550 volts, a-c. and to 5½ amperes on 250 volts, d-c.

The buttons are made in any one of six colors (white, red, blue, black, yellow or green) of moulded material which is impervious to moisture and which will not split. No two buttons in one station are of the same color. The color scheme designates the function of each button and assists in the quick selection of the proper button.

INTERCHANGEABILITY

Single Button Unit: Unit construction is employed in building up the different combinations of buttons, each button being composed of an assembly of interchangeable parts mounted on a separate base made of a moulded material of high dielectric and mechanical strength, and each button or unit is interchangeable in any Type C Push Button Station. Double contact points are supplied when a complete Single Button Unit is ordered—unless otherwise specified—allowing wiring to be made for either normal “make” or normal “break” of contact.

Two Button Interlocked Unit: When two buttons are mechanically interlocked a “walking beam” construction is employed which allows either button to remain depressed, but makes it impossible to depress both buttons at the same time. As two moulded bases identical with the single button unit type are used, it is always possible to substitute two Single Button Units for one Two Button Interlocked Unit but

the Two Button Interlocked Unit will only fit in a Type C Push Button Station where originally intended; that is the center distance between openings for buttons and the location of recesses in relation to opening for buttons must meet the requirements of the Two Button Interlocked Unit.

ASSEMBLING SUGGESTIONS

In order to assure a good contact, either “make” or “break,” before the Single Button Unit is placed in the case, check the following points. With Single Button Unit in normal position, that is contact being made by contact disc pressing against upper tips of contact uprights; the distance between contact disc and ell shaped single button support should be $\frac{3}{16}$ inch. When button is depressed until button strikes support, contact disc should be in contact with the lower contact tips, and the small washer on button stud should be approximately $\frac{1}{16}$ inch away from contact disc, thus assuring that the cone or follow-up spring is holding disc against contact tips.

TYPE C PUSH BUTTON STATION RENEWAL PARTS

SINGLE BUTTON

COMPLETE PUSH BUTTON STYLE No.	BUTTON COLOR	BUTTON WITH STEM STYLE No.	BUTTON UNIT (SEE PAGE 2)	NAME PLATE MARKING
204 853	White	217 979	400 931	Reset
217 984	Red	217 980	400 930	Stop
217 985	White	217 979	400 931	Start
370 303	Yellow	222 088	400 935	Inch
400 458	Yellow	222 088	400 935	Slow Down
452 302	Black	217 978	400 934	Safe
487 113	Yellow	222 088	400 935	Brake

TWO BUTTON

COMPLETE PUSH BUTTON STYLE No.	BUTTON COLOR	BUTTON WITH STEM STYLE No.	BUTTON UNIT (SEE PAGE 2)	NAME PLATE MARKING
217 986	White	217 979	400 931	Start
217 987	Red	217 980	400 930	Stop
217 987	White	217 979	400 931	Start
217 987	Red	217 980	514 342	Stop
285 968	White	217 979	400 931	Up
285 968	Green	222 089	400 933	Down
285 969	White	217 979	400 931	In
285 969	Green	222 089	400 933	Out
285 970	White	217 979	400 931	Open
285 970	Green	222 089	400 933	Close
285 971	White	217 979	400 931	Forward
285 971	Green	222 089	400 933	Reverse
285 972	Blue	243 960	400 932	Past
285 972	Black	217 978	400 934	Slow
368 953	White	217 979	400 931	Run
368 953	Green	222 089	514 339	Safe
461 254	White	217 979	400 931	On
461 254	Red	217 980	514 342	Off
478 758	Blue	243 960	400 932	Past
478 758	Black	217 978	400 934	Slow
674 629	White	217 989	Interlocked	In
674 629	Red	217 980	514 342	Out
690 900	White	217 979	400 931	Feeder On
690 900	Red	217 980	400 930	Feeder Off
692 937	Yellow	222 088	400 935	Inch
692 937	Green	222 089	400 933	Reverse
1032 159	White	217 979	400 931	Delivery on
1032 159	Red	217 980	400 930	Delivery off

THREE BUTTON

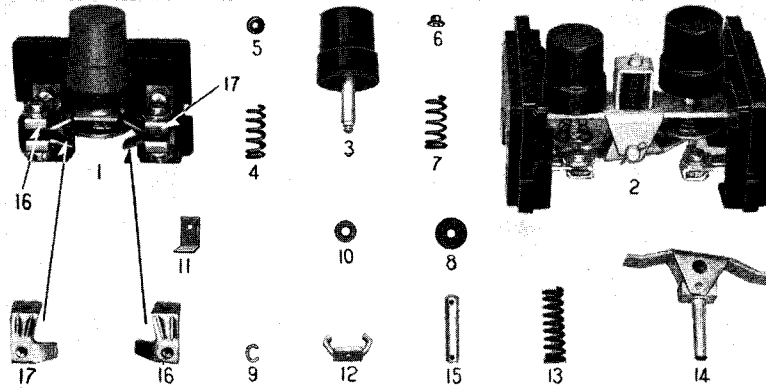
COMPLETE PUSH BUTTON STYLE No.	BUTTON COLOR	BUTTON WITH STEM STYLE No.	BUTTON UNIT (SEE PAGE 2)	NAME PLATE MARKING
217 988	White	217 979	400 931	Forward
	Green	222 089	400 933	Reverse
	Red	217 980	400 930	Stop
217 989	Red	217 980	400 930	Stop
	White	217 979	400 931	Start
	Yellow	222 088	400 935	Inch
285 410	White	217 979	400 931	Start
	Black	217 978	400 934	Slow
	Red	217 980	400 930	Stop
317 902	Blue	243 960	400 932	Past
	Interlocked		514 340	Slow
	White	217 979	400 931	Start
370 305	Red	217 980	400 930	Stop
	Green	222 089	400 933	Reverse
	Interlocked		514 339	Safe
392 169	White	217 979	400 931	Run
	Red	217 980	400 930	Stop
	Interlocked		514 342	Start
431 065	Yellow	222 088	400 935	Stop
	Red	217 980	400 930	Reset
	Blue	243 960	400 932	Fast
467 998	Black	217 978	400 934	Slow
	White	217 970	400 931	Start
	Red	217 980	400 930	Stop
711 321	Yellow	222 088	400 935	Reset
	White	217 970	400 931	Open
	Green	222 089	400 933	Close
711 321	Red	217 980	400 930	Stop

FOUR BUTTON

COMPLETE PUSH BUTTON STYLE No.	BUTTON COLOR	BUTTON WITH STEM STYLE No.	BUTTON UNIT (SEE PAGE 2)	NAME PLATE MARKING
217 990	Yellow	222 088	400 935	Inch
	Green	222 089	400 933	Reverse
	White	217 979	400 931	Safe
217 991	Red	217 980	400 930	Run
	Black	217 978	400 934	Stop
	Interlocked		514 342	Cut
217 991	White	217 979	400 931	Master
	Red	217 980	400 930	Pendent
	Black	217 978	400 934	Return

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FOUR BUTTON—Continued

COMPLETE PUSH BUTTON STYLE NO.	BUTTON COLOR	BUTTON WITH STEM STYLE NO.	BUTTON UNIT (SEE PAGE 2)	NAME PLATE MARKING
277 579	White	217 979	400 931	Start
	Blue	243 960	400 932	Fast
	Black	217 978	400 934	Slow
368 984	Red	217 980	400 930	Stop
	White	217 979	400 931	Start
	Blue	243 960	Interlocked	Fast
	Black	217 978	514 341	Slow
368 985	Red	217 980	400 930	Stop
	White	217 979	400 931	Start
	Blue	243 960	Interlocked	Forward
	Black	217 978	514 341	Reverse
469 600	Red	217 980	400 930	Stop
	Blue	243 960	Interlocked	Fast
	Black	217 978	514 341	Slow
	Black	217 978	400 934	Feeder On
517 944	Green	222 089	400 933	Feeder Off
	Yellow	222 088	400 935	Start
	Green	222 089	Interlocked	Safe
	White	217 979	514 339	Run
774 386	Red	217 980	400 930	Stop
	White	217 979	400 931	Start
	Blue	243 960	400 932	Inch Up
	Black	217 978	400 934	Inch Down
947 841	Red	217 980	400 930	Stop
	Blue	243 960	400 931	Fast
	White	217 979	400 932	Medium
	Black	217 978	400 934	Slow
967 138	Red	217 980	400 930	Stop
	White	217 979	400 931	Start
	Blue	243 960	Interlocked	Inch
	Black	217 978	514 341	Run
968 294	Red	217 980	400 930	Stop
	White	217 979	400 931	Start
	Blue	243 960	Interlocked	Manual
	Black	217 978	514 341	Automatic
Red	217 980	400 930	Stop	Stop

FIVE BUTTON

204 810	Red	217 980	400 930	Return
	Black	217 978	400 934	Reset
	Yellow	222 088	400 935	Cut
	White	217 979	Interlocked	Pendent
217 992	Green	222 089	514 339	Master
	Green	222 089	Interlocked	Safe
	White	217 979	514 339	Run
	Blue	243 960	400 932	Fast
368 960	Black	217 978	400 934	Slow
	Red	217 980	400 930	Stop
	Green	222 089	400 933	Small Bell
	White	217 979	400 931	Reset
370 306	Yellow	222 088	400 935	Large Bell
	Blue	243 960	Interlocked	Sequence
	Black	217 978	514 341	Safe
	White	217 979	400 931	Increase
370 687	Blue	243 960	400 932	Decrease
	Yellow	222 088	400 935	Inch
	Black	217 978	400 934	Slow
	Red	217 980	400 930	Stop
378 794	White	217 979	400 931	Start
	Black	217 978	400 934	Slow
	Green	222 089	400 933	Reverse
	Black	217 978	Interlocked	Slow
411 812	Blue	243 960	514 341	Fast
	Yellow	222 088	400 935	Inch
	White	217 979	400 931	Start
	Red	217 980	400 930	Stop
517 945	White	217 979	Interlocked	Run
	Green	222 089	514 339	Safe
	Black	217 978	400 934	Inch
	Blue	243 960	400 932	Start
Red	217 980	400 930	Stop	Stop

FIVE BUTTON—Continued

COMPLETE PUSH BUTTON STYLE NO.	BUTTON COLOR	BUTTON WITH STEM STYLE NO.	BUTTON UNIT (SEE PAGE 2)	NAME PLATE MARKING
947 842	White	217 979	400 931	Fast
	Blue	243 960	400 932	Third
	Yellow	222 088	400 935	Second
	Black	217 978	400 934	Slow
	Red	217 980	400 930	Stop

SIX BUTTON

369 183	Red	217 980	400 930	Stop
	White	217 979	400 931	Start
	Green	222 089	400 933	Fast
	Yellow	222 088	400 935	Slow
	Black	217 978	Interlocked	Master
	Blue	217 980	514 341	Push Button

SINGLE BUTTON UNIT

Ref. No.	Style Number of Push Button Unit	400 930 400 931 400 932 400 933 400 934 400 935	No. Per Unit	Units in Use	
				1	5
Description of Part		Style No. of Part	Req. for Stock		
1	Single Button Unit	See Above	1	0	0
3	Button with Stem	See Pages 1-2	1	0	1
4	Spring for Button	469 862	1	0	1
5	Cup Washer	177 352	1	0	0
6	Hub Washer	514 338	1	0	0
7	Follow Up Spring	400 942	1	0	1
8	Contact Disc	401 010	1	1	2
9	Locking Ring	217 981	1	1	2
10	Locking Ring Washer	3 410	1	0	0
11	Button Support	217 977	1	0	0
16	Stationary Contact—L.H.	217 974	2	2	4
17	Stationary Contact—R.H.	217 973	2	2	4

Parts indented are included in the part under which they are indented.

INTERLOCKED BUTTON UNIT

Ref. No.	Style Number of Push Button Unit	514 339 514 340 514 341 514 342	No. Per Unit	Units in Use	
				1	5
Description of Part		Style No. of Part	Req. for Stock		
2	Interlocked Button Unit	See Above	1	0	0
3	Button with Stem	See Pages 1-2	2	1	2
4	†Spring for White Button	469 862	1	0	1
=	†Spring for Blue Button	234 677	1	0	1
5	†Cup Washer	177 352	2	0	0
=	†Bushing	217 982	1	0	0
6	†Hub Washer	514 338	2	0	0
7	†Follow Up Spring	400 942	2	0	1
8	Contact Disc	401 010	2	2	4
9	Locking Ring	217 981	2	2	4
10	Locking Ring Washer	3 401	2	0	0
12	Guide	217 976	2	0	0
13	Toggle Spring	204 541	1	0	1
14	Rocker with Plunger	1082 864	1	0	0
15	Shaft	88 355	1	0	0
16	Stationary Contact—L.H.	217 974	2	2	4
17	Stationary Contact—R.H.	217 973	2	2	4

† Used only on Style 514340.

‡ One required for Style 514340.

Parts indented are included in the part under which they are indented.

= Not illustrated.